

CHASTUKHINA, M. I., Engineer

"Experimental Determination of the Heat Capacity of Steam at High Pressures and Temperatures." Thesis for degree of Cand. Technical Sci. Sub 23 Jun 50, Moscow
Order of Lenin Power Engineering Inst imeni V.M. Molotov

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

CHASTUKHINA, V.I.

CH

Lead-isotope distribution between a solution and the crystals of nonisomorphic salts. The K_2SO_4 - $PbSO_4$ - H_2O system. M. S. Merkulova, V. I. Chastukhina, and L. N. Burtseva (M. V. Lomonosov Moscow State Univ.). Doklady Akad. Nauk S.S.S.R. 102, 1167-9 (1965).—The distribution of Pb^{210} between the soln. and the crystals of anhyd. K_2SO_4 was studied at 25–100°. The results indicate the formation of inner adsorption systems in the distribution of the Pb between the soln. and the crystals. Knowledge of the relation between the equil. coeff. of crystn. and the concn. of the substance distributed may furnish means for distinguishing copptn. accompanied by the formation of inner adsorption systems, from copptn. of isomorphous or anomalous mixed crystals.

W. M. Sternberg

(2)

PM

PM

CHASTUKHINA, V.I.

CHASTUKHINA, V.I. --"Chromatographic Isolation of Titanium from
Columbium and Tantalum and their Separation." Acad Sci USSR/
Inst of Geological Sciences. Moscow, 1956
(Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

CHASTOKHINA V. I.

and group of authors: CHASTOKHINA V. I., M. M. BIKSBOVSKIY,
B. A. Kiseleva, I. S. Shavelskaya, and V. I. Lashin.

CELLS OF CONDENSATION SYSTEMS
inner adsorption systems and the control of morphological
adsorption systems

MT

Chastukhina, V.I.

USSR/Physical Chemistry - Radiochemistry, Isotopes.

B-7

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3731.

Author : M.S. Merkulova, S.A. Potapova, T.S. Shevelkina, V.I.
Chastukhina.

Inst :

Title : Distribution of Lead and Radium Isotopes between Solution
and Crystals of Anisomorphous Salts.

Orig Pub: Zh. fiz. khimii, 1957, 31, No 5, 1056-1062.

Abstract: The distribution of Pb(ThB) and Ra between the solution and solid phase in $K_2SO_4 - PbSO_4 - H_2O$, $K_2SO_4 - RaSO_4 - H_2O$ and $K_2CrO_4 - PbCrO_4 - H_2O$ systems was studied at 25 and 100°. The distribution equilibrium was determined in 10 minutes. The crystallization factor D does not depend on the amount of the makrocomponent separated in the precipitate. D is somewhat lower in an acid medium than in a neutral. D depends very much on the temperature. If Bi^{3+} ions were introduced into the sulfate system, or Al^{3+} ions into the chromate system,

Card : 1/2

-2-

CHASTUKHINA, YU. YA.

PROSIN, A.V. [translator]; ~~CHASTUKHINA, Yu. Ya.~~ [translator]; SIFOROV, V.I.,
redaktor; DIKAREVA, A.I., redaktor; KORUZEV, N.N., tekhnicheskii
redaktor

[Problems of telecommunication by ultrashort waves. Translated
from the English] Voprosy dal'nei svyazi na ul'trakorotkikh vol-
nakh; sbornik statei. Perevod s angliiskogo A.V.Procina. IU.M.
Chastukhina. Pod red. V.I.Siforova. Moskva, Izd-vo "Sovetskoe
radio," 1957. 369 p. (MLRA 10:9)
(Radio, Shortwave) (Ionospheric radio wave propagation)

CHASTYY, L.

USSR/Miscellaneous - Broadcasting

Card 1/1

Author : Chastyy, L.

Title : Let us exploit more widely the local radio-broadcast in the work of the Dosaaf

Periodical : Radio, 3, 12 - 13, Mar, 1954

Abstract : The radio is a powerful device for propaganda. There is no single district in the USSR where a Dosaaf collective is not represented; however, the Dosaaf collectives do not utilize the radio-broadcasts completely for the purposes mentioned. The author insists upon better and wider exploitation of the radio.

Institution :

Submitted :

CHATALBASH'YAN, M. I.

Semi-automatic electric arc welding with carbon electrodes. Kiev.
izd-vo Akademii nauk USSR, 1941. 40 p.

CHATALOV, G.; GANEV, M.; STEFANOV, St.

Old Paleozoic and Permian in the Glozhene anticline, Teteven region. Trudove vurkhu geol strat 5:17-27 '63.

ZAHARIEVA-KOVACHEVA, K. [Zakharieva-Kovacheva, K.]; WARE, S.; CHATALOV, G.

Geological age of low metamorphic rocks north of Golyam Derwent,
S.E.Bulgaria. Doklady BAN 17 no.8:749-751 '64.

1. British Museum (Natural History), London, and Chair of Paleontology,
Sofia University.

CHATALOVA, L.

TECHNOLOGY

PERIODICALS: HUTNICKE LISTY Vol. 13, no. 10, Oct. 1958

SKULARI, P.: CHATALOVA, L. Roentgeography of Titanium, p. 899

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5
May 1959, Unclass.

CHATAYEV, D.N. (Moskva)

Radiation of a piston with a rigid flange into an elastic
semispace. Prikl. mat. i mekh. 23 no.3:425-433 My-Je '59.
(MIRA 12:5)

(Elasticity) (Oscillations)

CHATEL, A.; PATAKY, Z.

Results obtained with Filatov's placental implantation in treatment of chronic polyarthritis. Orv.hetil. 91 no.32:977-982 6 Aug 50.

(GLML 20:5)

1. Dr. Professor Andor Chatel and Dr. Zsigmond Pataky, Lecturer at the hospital. 2. First Surgical Department (Head Physician--Dr.Ivan Reok), Bano Gal Central Hospital (Director--Dr.Istvan Halass) of the National Institute for Social Insurance and Metropolitan Medicinal Baths and Mineral Springs K.V.(Superintendent--Dr. Andor de Chatel).

CHATEL, A.

~~Medical literature/1000000000~~

Contraindications of the ACTH and Cortisone therapy of arthritic patients. Orv. hetil. 93 no. 40:1158-1160 5 Oct 1952. (CML 23:5)

1. Doctor.

BOZOKY, E.; CHATEL, A.

Neglect of gold therapy in primary chronic polyarthritis. Orv. hetil.
94 no. 3:79-80 18 Jan 1953. (CJML 24:1)

1. Doctors. 2. Metropolitan Medicinal-Bath Mineral Springs (Director
- Head Physician -- Dr. Andor Chatel).

CHATEL, A.

BOZOKY, E.; CHATEL, A.

Results of balneotherapy in diseases of the locomotor system. Orv.
hetil. 94 no.48:1339-1340 29 Nov 1953. (CIML 25:5)

1. Doctors. 2. Metropolitan Mineral Springs and Medicinal Baths (Di-
rector - Head Physician -- Dr. Andor Chatel, Candidate Medical Sciences.

CHATEL A.

BOROKY, Eva, dr.; CHATEL, Andor, dr.

Clinical application of phenylbutazone preparations in rheumatology.
Orv. hetil. 95 no.43:1185-1189 24 Oct. 54.

1. A Fovaresei Gyogyfurdok es Gyogyforrasok (igazgato-focorvos:
Chatel Andor dr., as orvostudomanyok candidatura) kozlemenye.
(RHEUMATISM, ther.
phenylbutazone)
(ANALGESICS, ther. use
phenylbutazone in rheum)

CHATEL, Andor, dr.; ELIAS, Iasslo, dr.; RIESZ, Ede, dr.

Intra and periarticular hydrocortisone therapy. Orv. hetil. 97
no.20:554-556 13 May 56

(JOINTS, dis.

ther., hydrocortisone, intra & periarticular,
evaluation in various dis. (Hun))

(ADRENAL CORTEX, hormones

hydrocortisone, ther., joints dis., evaluation of intra &
periarticular methods in various dis. (Hun))

Chatel, A.
CHATEL, Andor

Therapy of chronic joint diseases. Orv. hetil. 99 no.4:131-134 26 Jan 58.

1. A Fovarosí Fúrdóigazgatóság (igazgató-foorvos: Chatel Andor)
közleménye.

(JOINTS, dis.

ther., drug ther. of chronic dis. (Hun))

CHATEL A.

IAKATOS, Maris, Dr.; CHATEL, Andor, Dr.

Therapy of Bechterew's disease in simultaneous tuberculosis. Orv. hetil.
99 no.23:789-790 8 June 58.

1. Az Országos Koranyi Tbc Intezet (igazgato: Bossormenyi Miklos dr.,
tudomanyos vezetö: Foldes Istvan dr.) es a Fovarosi Furdöigazgatóság
(igazgato: Chatel Andor dr.) közleménye.

(SPONDYLITIS, ANKYLOSING, compl.

tuberc., pulm., simultaneous ther. (Hun))

(TUBERCULOSIS, PULMONARY, compl.

spondylitis, ankylosing, simultaneous ther. (Hun))

CHATEL, A. de, docent

Conservative treatment of sciatica. Med. intern., Bucur 12 no.9:
1397-1404 S '60.

(SCIATICA, therapy)

CHATEL, Andor, dr.

Combined use of phenylbutazone and prednisolone in diseases of the locomotor system. Orv.hetil. 101 no.41:1460-1463 9 0 '60.

1. Fovarosi Furdolgasgatosog.
(RHEUMATISM ther)
(JOINTS dis)
(PHENYLBUTAZONE ther)
(PREDNISOLONE ther)

RICHTER, Andras, dr.; CHATEL, Andor, dr.; MADY, Gyorgy, dr.

Demonstration of the rheumatoid factor with bentonite reaction.
Orv.hetil. 102 no.5:208-211 29 Ja'61.

1. Országos Reuma és Furdógyi Intézet és Fovárosi Gellert
Gyógyfúrdó.
(ARTHRITIS RHEUMATOID diag)

CHATEL, Andor, dr.; BOZOKY, Eva, dr.

Neurological manifestations in chronic polyarthritis. Orv. hetil.
102 no.22:1024-1026 28 My '61.

1. Fovarosi Furdoigasgatosag.

(ARTHRITIS RHEUMATOID compl)
(NEUROLOGICAL MANIFESTATIONS)

CHATEL, Andor, dr.

On drug therapy of rheumatic diseases. Orv. hetil. 104 no.14:626-630 7 Ap '63.

1. Fovarosi Furdolgaszatosag.

(RHEUMATIC FEVER) (RHEUMATISM) (ARTHRITIS, RHEUMATOID)
(SALICYLATES) (ADRENAL CORTEX HORMONES)
(PREDNISOLONE TOXICOLOGY) (CHLOROQUINE) (GOLD)

HUNGARY

CHATEL, Andor, Dr; Capital City Spa Administration (Fovarosi Furdoigazgatosag).

"Drug Treatment of Rheumatic Diseases."

Budapest, Orvosi Hetilap, Vol 104, No 14, 7 Apr 63, pages 625-630.

Abstract: The problem of the use of combinations of corticosteroids, gold, aspirin, chloroquine, butazolidine and placebo in the treatment of the disease is presented based on the discussions during the Congress on Rheumatism in Rome. The hazards of the less conservative treatments are stressed although the absolute rejection of them is judged unfavorably. The prolonged treatment with high doses of corticoids has no place in rheumatology according to the author. ACTH stimulation therapy, local administration of corticosteroids, gold, chloroquine therapy are evaluated. The general effect of salicylates on the body, the action mechanism of gold and the probability of a retarding effect of corticosteroids on heart lesions are discussed. Alternate use of various drugs and the selection of the treatment according to stages of the disease are recommended. 1 Hungarian, 23 Western references.

1/1

L 46793-66 EWP(w)/EWP(t)/EYI/EWP(k) IJP(z) JD/EM

ACC NR: AP6032791

SOURCE CODE: HU/0034/65/013/005/0383/0397

AUTHOR: Chatel, Peter; Kovacs, Istvan

ORG: Department for Experimental Physics, ELTE (ELTE Kiserleti Fizikai Tanszek)

TITLE: Continuum theory of dislocations. Part 2: Basic equations of the elastic continuum

SOURCE: Magyar fizikai folyoirat, v. 13, no. 5, 1965, 383-397

TOPIC TAGS: crystal dislocation, material deformation, elasticity

ABSTRACT: [Part 1 of this series was published Ibid., Vol 13, No 3, 1965, p 181] This instalment discusses the basic equations of the elastic continuum with the objective of using these equations in the calculation of internal stresses in subsequent instalments. The deformation tensor, the compatibility condition, equivalence conditions, the dynamic equation, the kinetic and potential energy, and the means for solution of general equations of the elastic continuum were discussed. A total of 46 equations were presented. Orig. art. has: 46 formulas. [JPRS: 35,328]

SUB CODE: 20 / SUBM DATE: 25Dec64 / ORIG REF: 002 / OTH REF: 002

Card 1/1

CHATEL, R.

Renal excretory rhythm in dogs with intact and autotransplanted kidneys. Acta physiol. acad. sci. Hung. 28 no.2:117-123 '65.

1. Department of Physiology, University Medical School, Budapest.
Submitted October 10, 1964.

L 29372-66

ACC NR: AT6019806

SOURCE CODE: HU/2505/65/028/002/0117/0123

AUTHOR: Chatel, Rudolf

ORG: Institute of Physiology, Medical University of Budapest (Budapesti Orvostudományi Egyetem, Elettani Intézet)

TITLE: Renal excretory rhythm in dogs with intact and autotransplanted kidneys

SOURCE: Academiae scientiarum hungaricae. Acta physiologica, v. 28, no. 2, 1965, 117-123

TOPIC TAGS: dog, animal physiology

ABSTRACT: Diurnal variation in urine flow and the rate of electrolyte output were followed in normal dogs as well as in dogs with autotransplanted kidneys. The urine flow was higher during the day than at night in the animals with transplanted kidney but not in those with intact kidneys. The average diurnal rate of sodium excretion exceeded the nocturnal rate in both groups; there was, however, an inverse relation found in some experiments. The excretory rate of potassium showed no regular diurnal pattern. It has been ascertained that renal innervation is not necessary for the maintenance of the renal excretory rhythm. The results obtained suggest that diurnal fluctuations in urine flow and electrolyte excretion are brought about by independent mechanisms. The author is indebted to Mr. J. W. Dempster, F.R.C.S., Department of Experimental Surgery, Postgraduate Medical School, London, for the kidney transplants. Orig. art. has: 2 tables. / Orig. art. in Eng. / JPRS /

SUB CODE: 06 / SUBM DATE: 10oct64 / OTH REF: 030 / SOV REF: 001
Card 1/1 CE

L 30130-66

ACC NR: AT6020340

SOURCE CODE: HU/2505/65/028/004/0363/0371

AUTHOR: Balint, Peter; Chatel, Rudolf

ORG: Institute of Physiology, University Medical School, Budapest (Orvostudományi Egyetem Elektromi Intézete)

TITLE: Renal circulation and baroreceptor reflexes

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 28, no. 4, 1965, 363-371

TOPIC TAGS: blood circulation, blood pressure, dog, animal physiology

ABSTRACT: Changes in arterial pressure, cardiac output and renal blood flow were studied in anaesthetized dogs during circulatory responses to altered baroreceptor activity. It was found that (1) in systemic hypertension induced by bilateral common carotid occlusion, cardiac output remained unaltered while renal blood flow decreased abruptly; the results obtained point to an active constriction of the renal vessels during the pressor response; and (2) elevation of pressure in the isolated carotid sinuses elicited reflex hypotension in systemic circulation. Cardiac output and renal blood flow decreased; during the depressor response an active dilatation of the renal vessels occurred. The authors thank Mrs. S. Bacsalmasy and Mrs. S. Szalay for their technical assistance. Orig. art. has: 2 figures and 2 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: 11Feb65 / OTH REF: 018

Card 1/1 CC

L 13504-66

ACC NR: AP6007042

SOURCE CODE: HU/0018/65/017/003/0267/0272

AUTHOR: Chatel, Rudolf--Shatel, R.

ORG: Medical University of Budapest, Institute of Physiology (Budapesti Orvostudományi Egyetem, Elettani Intézet)

TITLE: Diurnal fluctuations in the water and electrolyte excretion in dogs with kidney transplants

SOURCE: Kiserletes orvostudomány, v. 17, no. 3, 1965, 267-272

TOPIC TAGS: dog, urology, sodium, potassium, animal physiology

ABSTRACT: The diurnal fluctuations in the water and electrolyte excretion by the kidneys was studied in dogs with kidney autotransplants and in normal controls. It was determined that only in the dogs with transplanted kidneys was the minute diuresis higher during the day than at night. The Na excretion was considerably higher during the day in both groups although the reverse was also observed in some of the individual experiments. There was no regularity in the K excretion of either group. It was determined that direct neural factors have no effect on the diurnal rhythm of the renal function. The results led to the suggestion that the diurnal fluctuations in the excretion of water and of individual electrolytes are brought about by mutually independent mechanisms.

SUB CODE: 06 SUBM DATE: 13Jul64 / ORIG REF: 002 / OTH REF: 028 [JPRS]

CHATELET, A.

CHAINS and decompositions of semiprime ideals. In French.

P. 5 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 1, no.1, 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

CHATERMUCH, L. LORENC, A.

Insulating lacquers used in electric technology. p. 50.

(Strojnoelektrotechnicky Casopis. Vol. 8, no. 1, 1957. Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

CHATERNUCH, L.

"Some new trends in the development of plastic materials."
Chemicke Zvesti, Bratislava, Vol 7, No 9, Nov 1953, p. 571

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

CHATERNUCH, L. S.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application, Part 4. - Synthetic Polymers, Plastics. H-29

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48711

Author : L. Chaternuch, I. Simek

Inst : -

Title : Utilization of Maize Refuse for Plastic Production.

Orig Pub : Chem. zvesti, 1957, 11, No 6, 370-377

Abstract : Resin extraction from the corncob pith (CP) was developed under laboratory conditions and at a pilot plant installation. The composition of CP in % referred to dry substance was: pentosans (according to Krüger-Tollens) - 46.6, cellulose (according to Kürschner) - 24.3, lignin (according to " " [Shorger]) - 16.2, moisture - 8.02. It was exposed 6 to 8 hours to acid hydrolysis (n. HCl : ME = 1.1 : 1) at 170° and under the pressure of 12 kg per sq.cm and to a simultaneous condensation

Card 1/3

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 4. - Synthetic Polymers,
Plastics.

H-29

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48711

of lignin contained in it with industrial xylenol (0.74 parts per 1 part of CP) and with the forming furfural (25% referred to CP). The produced raw resin (R) was washed of HCl and dried at 110° to the softening temperature according to Kramer-Sarnow of $73 \pm 5^\circ$. A material for pressing (PM) was made of dried R, the recipe of PM in % by weight was: C = 45.86, wood flour - 45.86, hexamethylenetetramine - 4.52, Na_2CO_3 - 2.44, stearin - 1.32, temperature of pressing - 160°. The dielectric properties of PM were satisfactory (electric strength - 12 kv per mm, specific surface resistance after having been kept 96 hours in an atmosphere with 80%-ual moisture - $1.6 \cdot 10^{11}$), but its specific impact viscosity was reduced (2.7 kg per cm per sq.cm) and its heat resistance (99° according to Martens) was a

Card 2/3

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 4. - Synthetic Polymers,
Plastics.

H-29

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48711

little less than that of usual phenolaldehyde plastics.
The cost of the PM developed of CP is not high and it
is recommended for manufacturing goods (electroinsula-
ting), which need not answer high requirements as far
as mechanical strength is concerned.

Card 3/3

CHATINYAN, Yu. S.

AID P - 1456

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 7/36

Authors : Drozdov, N. G., Doc. of Tech. Sci., Prof., and
Chatinyan, Yu. S., Kand. of Tech. Sci., Moscow

Title : Influence of vibrating loads upon the mechanical strength
of high-voltage porcelain

Periodical : Elektrichestvo, 2, 32-36, F 1955

Abstract : The authors investigate the effect of aging of insulators, that is, the sudden loss of mechanical strength. Tests were made with high-voltage porcelain of M-1 and M-2 types. The influence of glaze and baking temperature upon aging was also tested. It was found that with the application of loads reversing with sound frequency, the vibrations thus created reduce the mechanical strength of the porcelain. As the frequency increases, the strength declines down to the fatigue limit, beyond which it becomes

Elektrichestvo, 2, 32-36, F 1955

AID P - 1456

Card 2/2 Pub. 27 - 7/36

constant. The authors found an empirical formula
expressing the relationship between the fatigue-limit
and the strength of porcelain. Seven diagrams,
4 Russian references (1932-1946)

Institution: None

Submitted : 0.23, 1954

CHATINYAN, YU. S

AID P - 2008

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 12/31

Authors : Drozdov, N. G., Doc. of Tech. Sci., Prof.
Chatinyan, Yu. S., Kand. of Tech. Sci., Moscow

Title : Modulus of elasticity of high-voltage porcelain as a
characteristic of mechanical strength

Periodical : Elektrichestvo, 4, 53-55, Ap 1955

Abstract : In order to determine the relationship between the
modulus of elasticity and mechanical strength and,
in particular, the dependence of this modulus on
intramolecular intervals, the authors studied the
simplest case of hard bodies, namely, crystals of cubical
syngony of AX type. They describe the resonance
method applied in measuring the modulus and find that
the above relationship is linear. They establish an
empirical formula for this relationship, which gives
satisfactory results close to the experimental ones.

AID P - 2008

Elektrichestvo, 4, 53-55, Ap 1955

Card 2/2 Pub. 27 - 12/31

One photograph, 3 diagrams, 4 references (1937-1952)
(3 Russian).

Institution: Moscow Power Engineering Institute im. Molotov

Submitted : 0 23, 1954

DARBINYAN, B.L., inzh.; CHATINYAN, Yu.S., kand.tekhn.nauk

New method for forming an oxide film on cold rolled steel used
in electrical engineering. Vest. elektroprom, 32 no.5:59-62
My '61. (MIRA 15:5)

(Steel)

(Electric insulators and insulation)

ALEKSEYEVSKIY, V., inzh.; CHATINYAN, Yu., inzh.; MATEVOSYAN, M., inzh.

Protected insulated input for high-voltage units. Prom.Arm. 6 no.10:
63-66 0 '63. (MIRA 17:1)

1. Armyanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
elektromekhaniki.

L 5370-66 EWT(m)/EPF(c)/EWP(v)/EWP(j)/T WW/RM

ACC NR: AP5024576

SOURCE CODE: UR/0292/65/000/009/0010/0013

AUTHOR: Alekseyevskiy, V. V. (Corresponding member AN ArmSSR); Chatinvan, Yu. S. (Candidate of technical sciences); Gastyan, L. K. (Engr.); Alchudzhyan, L. V. (Engr.)

ORG: none

TITLE: Electrical machinery up to 100 kw with open slots and magnetic wedges

SOURCE: Elektrotehnika, no. 9, 1965, 10-13

TOPIC TAGS: synchronous machine

ABSTRACT: Heretofore, synchronous generators up to 100 kw capacity have had "soft" coils embedded in semiclosed slots, which has required much labor for building generators. A possibility has been investigated to build these machines with prefabricated thermosetting-plastic-bonded coils placed in open slots and covered with magnetic wedges. Of many combinations tested, a 90%-iron 10%-bakelite-powder press composition is reported as the best material for the magnetic wedges. Three synchronous generators, 6.75, 75, and 125 kva, remodeled for the magnetic-

Card 1/2

UDC: 621.313.042.1.001.8

L 5370-66

ACC NR: AP5024576

wedge construction, were tested (numerical results tabulated). It is found that:
 (1) The use of magnetic wedges, instead of glass-textolite ones, results in a lower weight of copper and a higher efficiency thanks to lower excitation current and lower no-load losses; (2) The reactances x_p , x_s , x_d'' , x_q'' increase, when the magnetic wedges are used, within a permissible range; (3) Practical adoption of magnetic wedges would require better press molds and a more suitable (than bakelite) bond material. Orig. art. has: 4 figures and 4 tables.

SUB CODE: EE/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

PC
 Card 2/2

CHATKIN, M.

"Seventieth Birthday of Prof. P. I. Popov," Fiz. v Shkole 12, No. 2, 1952.

RUSAKOV, A.K.; ROMANOV, Yu.G., konstruktor; FAYNBERG, Z.L.; CHATKINA, Ye.M.,
inzh.

Experience in spinning with by-passing of the roving process. Tekst.-
prom. 21 no.5:43-48 My '61. (MIRA 15:1)

1. Nachal'nik spetsial'nogo konstruktorskogo byuro legkoy promy-
shlennosti Lensovnarkhoza (for Rusakov).
(Spinning machinery)

S/137/62/000/012/045/085
A006/A101

AUTHORS: Löbl, Karel, Zezulová, Marcela, Šustek, Alois, Potůček, Bedřich,
Stefek, Vladislav, Chatrný, Drahomír, Pant, Pavel

TITLE: Austenite stainless (dispersion) hardening steel for castings

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 75,
abstract 12I450P (Czechosl. Patent no. 100589 of August 15,
1961)

TEXT: A steel is proposed which contains in %: C 0.05 - 0.40; Si > 1.5;
Mn 0.5 - 6.0; Cr 14 - 20, N 0.01 - 0.25, Ni 2.5 - 5.5. The corrosion resistance
of the steel increases by the addition of 0.10 - 3.0% Cu. Steel containing
0.10 - 5% Ni has a raised corrosion resistance in H_2SO_4 .

V. Srednegorska

[Abstracter's note: Complete translation]

Card 1/1

CHATRAFILOV, D.

Sanguinous leiomyoma of the ileum. Khirurgiia (Sofiia) 16 no.12:
1126-1128 '63.

1. Iz klinkata no bolnichna khirurgiia pri ISUL.

*

Chatrowsky, L. Sur le théorème de Erdős-Raikov. Bull. Acad. Sci. URSS. Sér. Math. [Izvestia Akad. Nauk SSSR] 9, 301-310 (1945) (Russian. French summary) [MF 15360]

This article deals with a generalization to n -dimensional point sets of a theorem of Raikov for the case $n=1$, on the density of the sum of two point sets [Rec. Math. [Mat. Sbornik] N.S. 5(47), 425-440 (1939); these Rev. 4, 296]; Raikov's theorem resembles that of Erdős on the arithmetic or asymptotic densities of the sum of sequences of integers [Acta Arithmet. 1, 197-200 (1936); Trav. Inst. Math. Tbilissi 3, 217-223 (1938)]. If A and B are two sets of points $\bar{a}=(a_1, \dots, a_n)$ and $\bar{b}=(b_1, \dots, b_n)$, with nonnegative coordinates a_i, b_i , the sum $C=A+B$ is defined to consist of all points $\bar{a}, \bar{b}$, or $\bar{a}+\bar{b}=(a_1+b_1, \dots, a_n+b_n)$; $X(\bar{m})$ denotes the inner measure of the part of the set X satisfying $\bar{x} \subset \bar{m}$ (i.e., satisfying $x_i \leq m_i, i=1, \dots, n$). A subset B of M is called a weak basis if the limit (when the number of summands tends to infinity) of $B+B+\dots+B$ is everywhere dense in M ; a weak asymptotic basis if this is true

of the subset of M satisfying $\bar{m} \supset \bar{m}^{(n)}$ for some point $\bar{m}^{(n)}$. The lower bound of $A(\bar{m})/M(\bar{m})$, for all $\bar{m}$, is called the density of A in M ; the lower limit is called the asymptotic density. The height $h(\bar{x})$ of a weak basis B at a point $\bar{x}$ is the lower limit as $\bar{y} \rightarrow \bar{x}$ of $g(\bar{y})$, where $g(\bar{y})$ is the least integer n for which $\bar{y}$ is in nB ; the height λ of B is the upper bound for all $\bar{m}$ in M of $I/M(\bar{m})$, where $I=\int h(\bar{x})d\bar{x}$ over $\bar{x} \subset \bar{m}$. The asymptotic height λ^* of B is the upper limit, for all $\bar{m}^{(n)}$ in M , of the heights of B over the subsets $\bar{m} \supset \bar{m}^{(n)}$ of M . (1) If B is a weak basis of height λ in the region $\bar{m} \subset \bar{m}^{(n)}$, then for any subset A of M of density $\alpha_0 < 2^{1-\lambda}$ in this region, the density γ_0 of $A+B$ satisfies

$$\gamma_0 \geq \alpha_0 [1 + 2^{-\lambda} \alpha_0^{-1} (1 - 2^{-(1-\alpha_0)})].$$

If $\bar{m}^{(n)}$ is left free, this holds for the densities in M . (2) If B is a weak asymptotic basis of asymptotic height λ^* , then for any subset A of M of asymptotic density $\alpha^* < 2^{1-\lambda^*}$, the asymptotic density γ^* of $A+B$ satisfies

$$\gamma^* \geq \alpha^* [1 + 2^{-\lambda^*} \alpha^{*-1} (1 - 2^{-(1-\alpha^*)})].$$

G. Pall (Chicago, Ill.).

Source: Mathematical Reviews,

Vol. 9, No. 3

Smw

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 8073/E355
 AUTHORS: Lobl, K., Zesulova, M., Hestek, A., Potůček, B.,
 Engineers, Steffek, V., Chabert, D. and Pant, P.
 TITLE: Austenitic Stainless Hardening Steel for Castings
 (Patent Application Class 18d, 2/40 FY 1895-60,
 Dated March 21, 1960)
 PERIODICAL: Hutnické listy, 1961, No. 4, p. 289
 TEXT: The steel contains 0.05 to 0.40% C, max. 1.5% Si,
 0.5 to 6.0% Mn, 14 to 20% Cr, 0.01 to 0.25% N and 2.5 to 5.5%
 Al and as a further corrosion-inhibiting element 0.10 to
 5.0% Cu and 0.10 to 5.0% Mo. This steel is suitable for
 equipment in the chemical and food industries, where nitric
 acid, sulphuric acid, hydrochloric acid and organic acids are
 present in the processing of fruit and milk.
 (Abstractor's note: this is a complete translation.)

Card 1/1

CHATSKAYA, Ye.Sh.

Simultaneous approximation of continuous functions by rational functions and their derivatives on certain closed sets of a complex plane. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 17 no. 4 9-22 '64.

(MIRA 17:11)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni Kuybysheva.

CHATSKAYA, Ye.Sh.

Simultaneous approximation of certain functions by polynomials
and their derivatives. Dokl. AN Arm. SSR 41 no.3:129-134 '65.

(MIRA 18:11)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V. Kuybysheva.
Submitted February 17, 1965.

CHATSKAYA, Ye.Sh.

Some problems of approximation on sets in the complex plane.
Dokl. AN SSSR 162 no.1:30-32 My '65. (MIRA 18:5)

1. Inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva. Submitted January 18, 1965.

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SHEPIL', V.Yu.; CHATSKIS, I.D.

New data on the geology of the Shilka Valley (eastern Transbaikalia, Sretensk District). Geol. i geofiz. no.9:39-48 '64. (MIRA 18:7)

1. Chitinskoye geologicheskoye upravleniye i Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

CHATSKIS, M.F.

PAVLOVA, O.M., prof.; MIROCHNIK, A.M., assistant; CHATSKIS, M.F., ordinator

Clinical features of hemolytic anemias. Sbor.trud.Tashk.KBMP

no.1:26-35 '56

(ANEMIA)

(MIRA 11:3)

CHATSKIS, M.F.; YESHNIYAZOV, N.

Atypical course of a myocardial infarct. Sbor.nauch.trud.TashGMI
22:16-24 '62.

(MIRA 18:10)

1. Kafedra gosital'noy terapii sanitarnogo i pediatricheskogo
fakul'tetov na baze Klinicheskoy bol'nitsy neotlozhnoy pomoshchi
(zav. kafedroy - prof. O.N.Pavlova) Tashkentskogo gosudarstvennogo
meditsinskogo instituta.

CHATSKIY, A.I.; VAYNSHTOK, S.G.

New standards. Khim.prom.no.2:57-58 P'47. (MIRA 8:12)
(Chemicals--Standards)

CHATSKIS, M.F., assistant

Comparative evaluation of mercusal and novurit in circulatory insufficiency. Med. zhur. Uzb. no.3:41-45 Mr '60. (MIRA 15:2)

1. Iz kafedry gosital'noy terapii sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov (zav. - prof. O.N.Pavlova) Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(BLOOD_CIRCULATION, DISORDERS OF) (MERSALYL)
(MERCUROPHYLLINE)

PALAGIN, A.; CHATSKIY, O.; ALEKSEYEV, A.; GLUZ, I.S.; ZABLITSKIY, R.V.;
DUBROVSKIY, M.A.

In honor of the 21st Congress of the CPSU. Kons. i'ev. prem. 14
no.1:4-7 Ja '59. (MIRA 12:1)

1.Direkter Odesskego konservnogo kombinata (for Palagin).
2.Predsedatel' Odesskego konservnogo svedskogo komiteta (for
Chatskiy). 3.Direkter Kharabalinskogo konservnogo zavoda (for
Aleksyev). 4.Glavnyy inzhener Tiraspol'skego plodokombinata
(for Gluz). 5.Glavnyy inzhener Starodubskogo eveshchesushil'-
nogo kombinata (for Zablitskiy). 6.Nachal'nik planovogo otdela
Moskovskogo ordena Lenina Pishchevogo kombinata imeni Mikeyana
(for Dubrovskiy).

(Canning industry)

CHATSKIY, P.

Correspondence technical schools in factories. Leg. prom. 17 no.12:
10 D '57. (MIRA 11:1)

(Technical education)

CHATSKIY, P.

Productivity of the flour mill has been increased three times.
Muk.-elev.prom. 22 no.3:27 Mr '56. (MLRA 9:7)

1.Dmitrovskaya realizatsionnaya baza Zagotserno.
(Dmitrev—Flour mills)

CHATSKIY, P.

We are sponsors of collective farm mills. Muk.-elev.prom. 23 no.1:
30 Ja '57. (MLRA 10:5)

1.Dmitrovskaya realizatsionnaya baza Zagotserno Moskovskaya oblast'.
(Flour mills)

CHAT XIV, P.

A school machine-tractor station. Politekh.obuch. no.8:94-95 Ag '57.
(MLRA 10:9)

(Farm mechanization--Study and teaching)

CHATSKIY, P.

New organization serving several collective farms. Sel'. stroi.
12 no.2:20 P '58. (MIRA 11:2)

(Dmitrov District--Building)

CHATSKIY, P.

"Master Motion Picture Operator," Kinomekhanik, No.1, 1952

1. CHATSKIY, P.
2. USSR (600)
4. Lantern Slides
7. Film library of educational motion pictures and slides. Kinomekhanik no. 2 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

KOLOTUSHKIN, V.; GUTMAN, S. (L'vov); MARTYNEKO, A. (L'vov); PYZHIK, I.;
CHATSKIY, P. (Dmitrov)

Editor's mail. Sov. torg. 36 no.2:32-33 F '63.
(MIRA 16:4)

1. Instruktor gorodskogo komiteta Kommunisticheskoy partii
Sovetskogo Soyusa, Khabarovsk (for Kolotushkin). 2. Glavnyy
bukhgalter Universal'nogo magazina, Moskva (for Pyzhik).

(Khabarovsk—Distributive education)
(Retail trade)

CHATSKIY, P. (Dmitrov); VALENTIYEV, G. (Alam-Ata)

Editor's mail. Sov. torg. 37 no.11:46 N '63.

(MIRA 16:12)

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Simplifying the determination of the moisture content of grain by a preliminary drying. P. Chatskiy. <i>Spiral. Tekhnika</i> / <i>Proiz.</i> 1930, No. 6, 40-1. <i>Referat. Zhur.</i> 2, No. 2, 131(1930).—Instead of the formula for the detn. of the moisture content of grain $W = (1 - \frac{bd}{ac}) \cdot 100\%$, the use of a special table is recommended. For const. wts. of the sample (15 g. for the preliminary and 3 g. for the second drying) a value for the total moisture content is found in the table directly. The results can be made more accurate by interpolation. W. R. Heim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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CHATSKIY, P.A.

Use of double extraction tanks in semicontinuous potato processing.
Spir. prom. 20 no. 1:23 '54. (MLRA 7:5)
(Chernigov--Distilling industries) (Distilling industries--
Chernigov)

CHATSKIY, P.A.; ATAMANCHUK, A.I.

Processing defective wheat. Spirt.prom, 21 no. 2:35-36 '55.
(MLRA 8:10)

1. Chernigovskiy spirtovyy trest
(Fermentation)

CHATSKIY, P. A.

Chem ✓ Continuous cooking of starch-containing raw material for the purpose of size reduction. Z. K. Ashkinuzi, B. D. Rubinovich, A. F. Bereshteln, and P. A. Chatskil (All-Union Sci. Research Inst. Alcohol Ind., Kiev). *Spirtoaya Press*. 22, No. 1, 4-10(1950).—Equipment, like crushers, feeders, mixers, and filters, used for the prepn. of fermentation mashes from potatoes, rye, and wheat are illustrated. Values are given for the amts. of H_2O and the temps. at which those materials are treated, the wts. worked up/hr., and the yields of EtOH in correct runs. Werner Jacobson

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ASHKINUZI, Z.K., rukovoditel' brigady; BERENSHTEYN, A.F.; KUZNETSOV, N.M.;
RABINOVICH, B.D.; CHATSKIY, P.A.; SIDORENKO, D.P.; KOVALEVSKAYA,
A.I., red.; YAROV, E.M., tekhn.red.

[Continuous thermal processing of starchy raw materials] Nepre-
ryvnaya teplovaia obrabotka krakmalistogo syr'ia. Moskva, Pishche-
promizdat, 1957. 59 p. (MIRA 12:4)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo insti-
tuta spirtovoy promyshlennosti (for Ashkinuzi).
(Distilling industries)

CHATSKIY, P.A.

Stationary grain drier using exhaust gas heat. Spirt. prom. 23 no.5:
29-30 '57. (MLHA 10:6)

1. Chernigovskiy spirtovoy trest.
(Grain--Drying) (Drying apparatus)

Chatskiy, P.A.

CHATSKIY, P.A.; ATAMANCHUK, A.I.

Piping system for an alcohol storage point at a railroad
station. Spirt.prom. 23 no.6:38-39 '57. (MIRA 10:12)
(Alcohol--Transportation)

BERENSHTEYN, A.F.; RED'KO, D.I.; CHATSKIY, P.A.

Raising the food value of grain-potato stillage. Spirt. prom.
24 no.3:18-19 '58. (MIRA 11:6)
(Distilling industry--By-products) (Feeding and feeding stuffs)

CHATSKIY, P.A.

Continuous heat treatment processing of potatoes. Spirt. prom.
24 no.3:23-24 '58. (MIRA 11:6)
(Fermentation) (Distilling industries)

CHATSKIY, P.A.

Returning the aldehydes fraction to the fermenters. Spirt. prom.
24 no. 4:10-11 '58. (MIRA 11:7)

(Alcohol)

SOV/71-59-2-7/26

AUTHORS:

Berenshteyn, A.F., Red'ko, D.I. and Chatskiy, P.A.

TITLE:

Structure of Management of a Distillery (O strukture upravleniya spirtovym zavodom)

PERIODICAL:

Spirtovaya promyshlennost', 1959, ²⁵ Nr 2, pp 24-28 (USSR)

ABSTRACT:

The existing structure of management of a distillery is top-heavy, in as much as one qualified worker (engineer, technician) counts for every 5 workmen. To approach the question of rational management it is necessary to divide distilleries in 4 groups in accordance with their capacity - small (600 dkl) medium (up to 1,200 dkl), large (up to 2,000 dkl), extra large (over 2,100 dkl of daily output). Corresponding with these groups, the article discusses 3 standard charts of administrative organizations, viz. for a small, a medium and a large size plant, the principle of the organization remaining the same in each case. Directly responsible to the manager are: the administration chief, the head mechanic, the head technologist, the head of the laboratory, the alcohol store-keeper and the chief accountant. Distilleries of group 1 and 2 should abandon the departmental system headed by foremen; in larger distilleries of group 3 and 4, two or three foremen should be

Card 1/2

Structure of Management of a Distillery

SOV/71-59-2-7/26

replaced by one technologist. Laboratories should be relieved of most routine checks, such as taking temperatures, etc, which work should be performed as far as possible by the sections themselves. A staff of four employees - a supervisor, two chemists and an assistant should be in a position to cope with the entire work load in a small and medium size distillery. It is recommended that in certain plants a special scientific research laboratory be established with a designing bureau for examining and introducing new and improved production processes and new machinery with a view to eliminating waste and bringing down cost of production. There are 1 table and 3 charts.

Card 2/2

5(3)

SOV/71-59-3-4/23

AUTHOR: Chatskiy, P.A.

TITLE: Improvement of the System of Continuous Cooking of Starchy Raw Material in the Chemerskiy Alcohol Plant (Usovershenstvovaniye skhemy nepreryvnogo razvarivaniya krakhmalistogo syr'ya na Chemerskom spirtovom zavode)

PERIODICAL: Spirtovaya promyshlennost', 1959, Nr 3, pp 6-8 (USSR)

ABSTRACT: The principal important changes introduced in the Chemerskiy zavod (Chemerskiy Plant) during the past few years consist in a simplified crushing system and an improved method of continuous cooking of starchy mash. For processing potatoes the plant required 120 min and for cooking grain 180 min. By making more efficient use of the cooking space and by more active thermal processing the period of cooking has been reduced to 35-40 min, at a temperature of 130°C for potatoes and of 140°C for grain. A schematic diagram shows the improved installation which consists of a cooking apparatus which steams the mash while agitating it all the time during 9 min. Passing through a retainer (vyderzhivatel') and a steam separator the mash enters the saccharification section. The plant has also developed a system

Card 1/2

SOV/71-59-3-4/23

**Improvement of the System of Continuous Cooking of Starchy Raw Material in the
Chernerskiy Alcohol Plant**

whereby the steam used for cooking, or in some cases return steam, is utilized for preheating crushed potatoes, whereby the steam entering the heater is condensed in contact with the potatoes. The details of the semi-automatic preheating installation is illustrated by Schematic Graph 2. The method of preheating potatoes results in considerable saving of steam; formerly steam consumption for cooking mash amounted to 26.1% of the weight of the potatoes, whereas only 19.5% are needed for preheated potatoes.
There are: 2 schematic graphs.

Card 2/2

CHATSKIY, P.A., SHIROBOKOV, N.A.

Dextrin-producing apparatus with chamber heating. Sakh.prom.
34 no.7:69-70 J1 '60. (MIRA 13:7)

1. Chernigovskiy spirtotrest.
(Starch industry--Equipment and supplies)
(Dextrin)

CHATSKIY, P.A.

Combined processing of potatoes to starch and alcohol at the
Chernigov Alcohol Trust plants. Spirt.prom. 27 no.4:31-33 '61.
(MIRA 14:6)

(Chernigov—Alcohol)
(Starch)
(Potatoes)

BERENSHTEYN, A.F.; RED'KO, D.I.; CHATSKIY, P.A.

For further technological progress in the alcohol industry and the liqueur and vodka industry. Spirt.prom. 28 no.2:5-7 '62.
(MIRA 15:3)

1. Kiyevskiy likeroOvodochnyy zavod (for Berenshteyn).
2. Kiyevskiy sovet narodnogo khozyaystva (for Red'ko).
3. Chernigovskiy spirtotrest (for Chatskiy).
(Distilling industries) (Liquor industry)

CHATSKIY, P.A.; SHIROBOKOV, N.A.

Cooking potato pulp in a combined processing of potatoes.

Spir.t.prom. 28 no.2:28-30 '62.

(MIRA 15:3)

1. Chernigovskiy spirtovoy trest.

(Distilling industries) (Potatoes)

CHATSKIY, P.A.; SHIROBOKOV, N.A.

Utilization of waste steam in the continuous boiling to pulp of
starchy raw material. Spirt.prom. 29 no.5:34-35 '63. (MIRA 17:2)

1. Chernigovskiy spirtorest.

CHATSKIY, P.A.

Experience in the use of dry ferment preparations for sacchari-
fication. Ferm. i spirt.prom. 30 no.4:37-39 '64.

(MIRA 18:12)

1. Chernigovskiy spirtovoy trest.

CHATSKIY, P.A.

Organizational chart of a distillery. Fern. i spirt. prom. 31
no. 4:26-27 '65. (MIRA 18:5)

1. Chernigovskiy spirtotrest.

CA CHATSKIY, P. I.

25

New surface-active product for dyeing f.u. P. I.
Chatshil and N. P. Ivanova-Tolmacheva (Research Inst.
Far East, Moscow). *Lepbysa Prom.* 11, No. 5, 31(1951).--
Lab. and com. tests were satisfactory in aniline dyeing of
furs with the aid of surface-active material (OP-10) which is the
condensation product of ethylene oxide and high mol.
alkylphenols. The product is viscous, oily, and dark brown,
it dissolves easily, and is stable in hard water; pH of a 1%
soln. is 6-8. Histologic analysis of aniline-dyed furs showed
uniform, intensive coloration of hair along a whole cross sec-
tional area. Product facilitates uniform bleaching and
acts as a protective agent against oxidation-reduction effects
upon hair.
N. Z. Kamich

RODIONOV, A.M.; CHATSKIY, P.I.

Improving the technology of processing and dyeing sheep skins. Leg.
prom.15 no.1:16-18 Ja '55. (MIRA 8:3)

1. Zamestitel' direktora NIIMP (for Rodionov). 2. Zaveduyushchiy
laboratoriyey krasheniya NIIMP (for Chatskiy).
(Hides and skins)

CHATSKIY, P.I., inzhener.

Interaction between acids and semi-finished products in dyeing fur.
Log.prom. 16 no.12:30-34 B '56. (MLRA 10:2)
(Dyes and dyeing—Chemistry) (Fur)

CHATSKIY, P. I. Cand Tech Sci -- (diss) "Interaction Between
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